



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

and Myriopoda as sub-classes of Tracheata, and consequently what have been in former editions regarded as sub-orders are called orders. The Thysanura, moreover, are separated from the Neuroptera and regarded as a distinct order, comprising synthetic types with features allying them to the Orthoptera, Neuroptera and Myriopoda. They are divided into two sub-orders, the lower the *Collembola* of Lubbock, and for the higher sub-order, comprising the Lepismatidæ and Campodeæ, the term *Cinura* (κινεω, to move; ουρος, tail) is proposed. The terms *tenaculum* and *elater* are adopted from the author's previous writings for the "holder" and "spring" of the Collembola; and for the sucker, or organ secreting the adhesive material characteristic of the Collembola, the term *collophore* is proposed.

"Brief mention has been made of the *Pycnogonidæ*, which are placed among the mites; also of the Peripatidæ, which are given a place next to the sucking Myriopoda, since they have been proved by the researches of Mr. Moseley to be Tracheata."

THOMAS' NOXIOUS INSECTS OF ILLINOIS.¹—This voluminous report evinces the activity shown the past year in Illinois as regards the prevention and cure of injuries from injurious insects. The State entomologist has employed Prof. G. H. French as general assistant, Miss Nettie Middleton as office assistant, and Miss Emily A. Smith as special assistant for the north-western part of the State. Over a hundred pages are devoted by Prof. Thomas to insects injurious to corn; an excellent report by Miss Smith relates also to corn insects and to the maple-tree bark-louse, while the second half of the report is devoted by Prof. French to a description of the butterflies and moths, with their caterpillars, especially injurious in Illinois. The volume is well calculated to interest and instruct the people of the West in economic entomology, and, we think, is an improvement on last year's report.

LOCKYER'S GUILLEMIN'S FORCES OF NATURE.²—By its general accuracy of statement, simplicity and clearness of style, and the excellence of the wood-cuts and full page illustrations, this work in its English dress, will commend itself to those naturalists who wish to broaden their field of study and to ascertain the nature of the environment by which the life of the globe is surrounded. From many points of view the naturalist and geologist will need to review and utilize his knowledge, or if that be wanting, acquire some idea of the physical phenomena of nature.

¹ *Seventh Report of the State Entomologist on the Noxious and Beneficial Insects of the State of Illinois. Second Annual Report.* By CYRUS THOMAS, Ph.D., State Entomologist. Springfield, Ill., 1878. 8vo, pp. 290.

² *The Forces of Nature.* A popular introduction to the study of Physical Phenomena. By Amédée Guillemin. Translated from the French by Mrs. NORMAN LOCKYER, and edited with additions and notes by J. NORMAN LOCKYER, F.R.S. Illustrated by nearly five hundred engravings. London, Macmillan & Co., 1877. 8vo, pp. 725. 18 numbers, one shilling a number.